

इंटरनेट

मानक

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IS 7264 (1974): Dimensions for aircraft pressure refuelling connection [TED 14: Aircraft and Space Vehicles]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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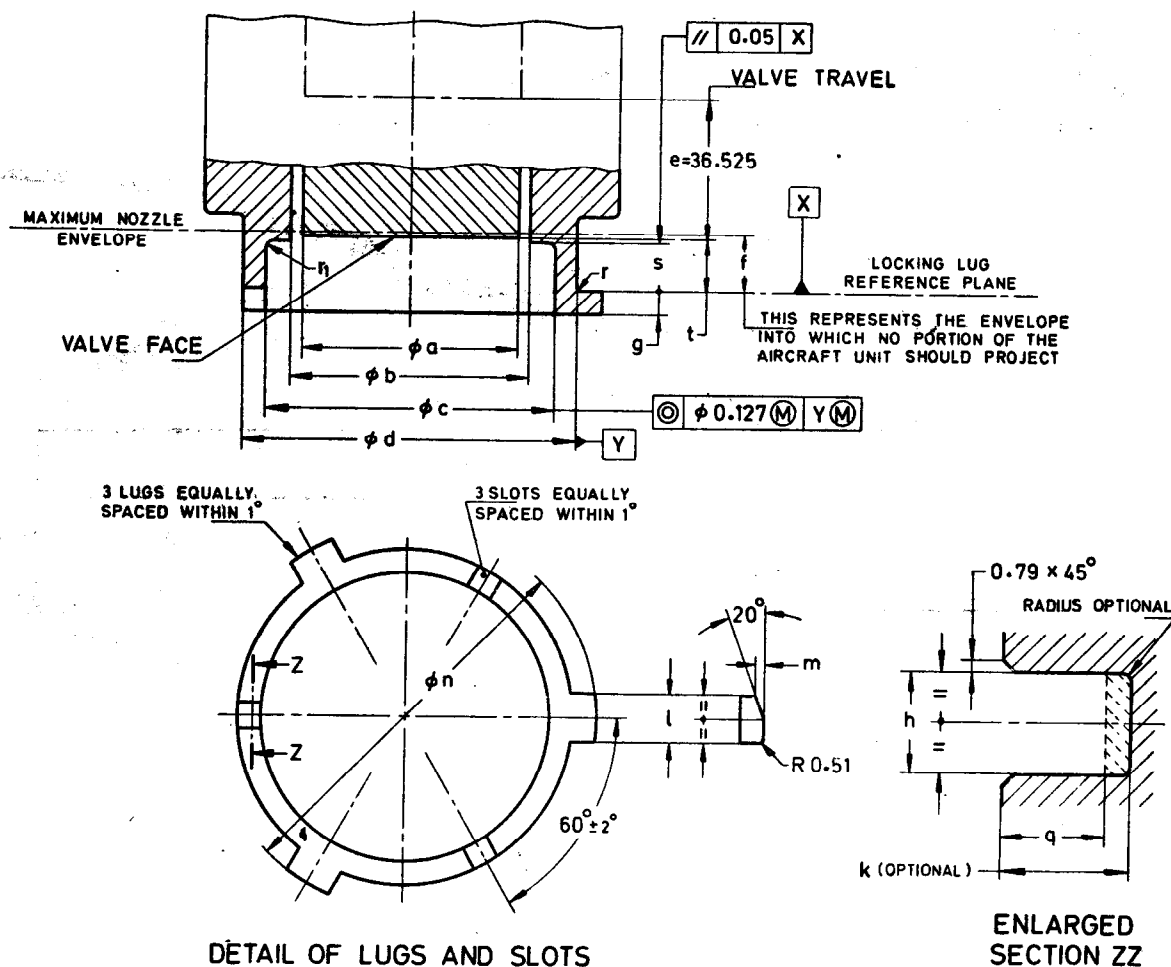




Indian Standard
**DIMENSIONS FOR
AIRCRAFT PRESSURE REFUELLING CONNECTION**

1. Scope — Specifies dimensions for aircraft pressure refuelling connection and its mounting requirements.

2. Dimensions — The dimensions of the connection shall be as given below:



DETAIL OF LUGS AND SLOTS

ENLARGED SECTION ZZ

All dimensions in millimetres.

| Dimension | a | b | c | d | f | g | h | k | l | m | n | q | r | r ₁ | s | t |
|-----------|-------|-------|-------|-------|-------|------|------|------|-------|------|--------|------|------|----------------|-------|-------|
| Max | — | 63.75 | 76.33 | 88.77 | 14.47 | 6.27 | 6.60 | 8.46 | 12.70 | 2.54 | 101.47 | 6.94 | 0.38 | 0.40 | 12.70 | 13.92 |
| Min | 57.20 | 63.50 | 76.20 | — | — | 6.14 | 6.35 | — | 11.98 | 2.04 | 100.03 | 6.15 | 0.25 | — | 12.45 | 13.11 |

Note 1 — The valve shall be spring-loaded and the load shall not exceed 222 N, at valve travel 36.525 mm.

Note 2 — The valve face shall be flat within diameter a and no part of the valve shall extend beyond this face. The configuration of the valve above this face is optional.

Adopted 18 January 1974

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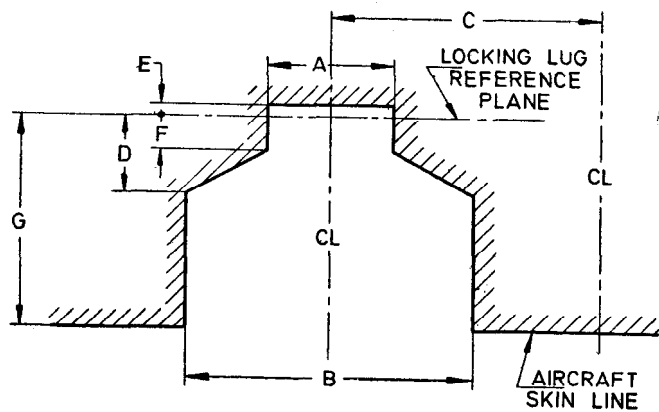
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3. Mounting Requirements

- 3.1 When the connection is on a horizontal surface over-head (underwing), one bayonet lug shall be centrally disposed towards the normal approach of the operator for the refuelling.
- 3.2 Except where the aircraft connection is mounted on a horizontal surface, one of the three lugs shall be centrally disposed at the lowest point of the connection.
- 3.3 Installation of the connection in the aircraft shall meet the requirements of the space envelope as shown below:



All dimensions in millimetres.

| Dimension | A | B | C | D | E | F | G |
|-----------|-----|-----|-----|-----|----|----|-----|
| Max | — | — | — | 102 | — | — | 280 |
| Min | 165 | 380 | 355 | — | 15 | 45 | — |

- Note 1** — The specified space envelope permits side by side installation of aircraft units on 355 mm centres, wherever this is a requirement.
- Note 2** — For design purposes, a hose of 76 mm OD with a minimum bend radius of 305 mm shall be assumed.

EXPLANATORY NOTE

This standard relates to features affecting the coupling of the hose unit or adaptors of the ground pressure refuelling equipment to an aircraft. While preparing this standard assistance has been derived from ISO/R 45-1957 'Aircraft pressure refuelling connections' issued by International Organization for Standardization and also BS 2C 14:1970 'Coupling dimensions for aircraft pressure refuelling connection', issued by the British Standards Institution.